

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of using a replay device for detecting a ~~copy amongst at least one copied~~ record carrier having a table of contents, the method comprising acts of:

 providing at least one encoder for

 mastering a ~~non-standard~~ table of contents on an original record carrier to include entries in a non-standard sequence, a standard table of contents having entries in a standard sequence indicating that the corresponding at least one record carrier is a copy.
2. (Currently amended) The method according to claim 1, wherein a sequence of entries in the table of contents on the original record carrier is mixed up compared to a standard sequence of entries.
3. (Previously provided) The method according to claim 1, wherein a number of repetitions of entries in the table of contents on the original record carrier is varied compared to a standard number of repetitions.
4. (Previously provided) The method according to claim 1, wherein entries in the table of contents are mastered only in a predetermined area on said original record carrier in a

detectable non-standard way.

5. (Previously provided) The method according to claim 1, further comprising acts of:

storing subcode data on said original record carrier in subcode frames of a subcode channel, each subcode frame comprising synchronization symbols and data symbols at predetermined positions within said subcode frame;

assigning and storing a number of additional synchronization symbols to at least one subcode frame at positions provided for data symbols; and

generating, during read-out of said subcode channel, a check signal indicating presence or absence of said additional synchronization symbols.

6. (Previously provided) The method according to claim 5, comprising acts of:

storing a unique identifier uniquely identifying said record carrier in said subcode frames; and

outputting said unique identifier only if said check signal indicates the presence of additional synchronization symbols within said subcode frames.

7. (Previously provided) The method according to claim 5, comprising an act of preventing copying of said record carrier if said check signal indicates the absence of additional synchronization symbols in said subcode frames.

8. (Previously provided) The method according to claim 5, wherein additional

synchronization symbols are stored at the end of each subcode frame.

9. (Previously provided) The method according to claim 5, wherein said subcode frames are part of a subcode Q-channel, as defined in the Red Book for CD audio or in the Yellow Book for CD-ROM.

10. (Previously provided) The method according to claim 5, wherein said data symbols stored in said subcode frames comprise a unique identifier and error correction data and wherein said additional synchronization symbols are stored to said at least one subcode frame on the cost of said unique identifier or said error correction data.

11. (Previously provided) The method according to claim 1, comprising acts of:

storing subcode data on said record carrier in subcode frames of a subcode channel, each subcode frame comprising synchronization symbols and data symbols at predetermined positions within said subcode frame, and

assigning and storing a number of additional synchronization symbols to at least one subcode frame at positions provided for data symbols so that during read-out of said subcode channel a check signal can be generated indicating the presence or absence of said additional synchronization symbols.

12. (Currently amended) A method of using a read-out of at least one record carrier having a table of contents for indicating whether the at least one record carrier is authorized and

wherein ~~a non-standard table~~ tables of contents are mastered on authorized record carriers to include entries in a non-standard sequence, a standard table of contents having entries in a standard sequence, the method comprising acts of:

reading said table of contents;

checking if said table of contents is standard or non-standard; and

outputting a signal indicating if said table of contents is standard or non-standard, a standard table of contents indicating that the record carrier is not authorized and a non-standard table of contents indicating that the record carrier is authorized.

13. (Previously provided) The method according to claim 12, wherein a unique identifier uniquely identifying said record carrier read from said record carrier is only outputted if said table of contents is non-standard.

14. (Previously provided) The method according to claim 12, wherein copying of said record carrier is prevented if said table of contents is non-standard.

15. (Previously provided) The method according to claim 12, comprising acts of:

storing, on the record carrier, subcode data in subcode frames of a subcode channel, each subcode frame comprising synchronization symbols and data symbols at predetermined positions within said subcode frame;

reading-out said subcode channel;

checking if additional synchronization symbols are stored to at least one subcode

frame at positions provided for data symbols; and

outputting a check signal indicating the presence or absence of said additional synchronization symbols in at least one subcode frame.

16. (Currently amended) A method of using at least one replay device for producing a read-out of a record carrier on which subcode data is stored in subcode frames of a subcode channel, the method comprising acts of:

pre-recording the record carrier by an encoder each subcode frame comprising to include synchronization symbols and data symbols at predetermined positions within said subcode frame, ~~the method comprising acts of:~~

reading out said subcode channel;

checking if additional synchronization symbols are stored to at least one subcode frame at positions provided for the data symbols; and

outputting a check signal indicating the presence or absence of said additional synchronization symbols in at least one subcode frame, absence of the additional synchronization symbols indicating that the record carrier is a copy and presence of the additional synchronization symbols indicating that the record carrier is an original.

17. (Currently amended) An apparatus for detection of a ~~copy amongst at least one copied~~ record carrier having a table of contents, the apparatus comprising:

control means for mastering a ~~non-standard~~ table of contents on an original record carrier to include entries in a non-standard sequence, a standard table of contents having

entries in a standard sequence indicating that the corresponding at least one record carrier is a copy.

18. (Currently amended) The apparatus according to claim-~~8~~17, comprising:

~~storing means a storage~~ for storing subcode data on said record carrier in subcode frames of a subcode channel, each subcode frame comprising synchronization symbols and data symbols at predetermined positions within said subcode frame, and

assigning means for assigning and storing a number of additional synchronization symbols to at least one subcode frame at positions provided for data symbols so that during read-out of said subcode channel a check signal can be generated indicating the presence or absence of said additional synchronization symbols.

19. (Currently amended) An apparatus for using a read-out of at least one record carrier having a table of contents for indicating whether the at least one record carrier is authorized, wherein non-standard ~~table~~ tables of contents are mastered on authorized record carriers to include entries in a non-standard sequence, a standard table of contents having entries in a standard sequence, the apparatus comprising:

reading means for reading said table of content,

check means for checking if said table of contents is standard or non-standard, and

output means for outputting a signal indicating if said table of contents is standard or non-standard, standard table of contents indicating that the record carrier is not authorized and a non-standard table of contents indicating that the record carrier is authorized.

20. (Currently amended) An apparatus for producing a read-out of a record carrier on which subcode data are stored in subcode frames of a subcode channel, the record carrier having each subcode frame comprising prerecorded to include synchronization symbols and data symbols at predetermined positions within said subcode frame, the apparatus comprising:

reading means for read-out of said subcode channel,

check means for checking if additional synchronization symbols are stored to at least one subcode frame at positions provided for the data symbols, and

output means for outputting a check signal indicating the presence or absence of said additional synchronization symbols in at least one subcode frame, absence of the additional synchronization symbols indicating that the record carrier is a copy and presence of the additional synchronization symbols indicating that the record carrier is an original.

21. (Currently amended) A ~~computer readable medium~~ replay device for playing a record carrier having a table of contents, wherein the ~~computer readable medium is determined~~ replay device determines the record carrier to be

a copy if said table of contents ~~is~~ includes entries in a standard sequence, and

an original if said table of contents ~~is~~ includes entries in a non-standard sequence.

22. (Currently amended) A ~~computer readable medium on which~~ replay device for playing a record carrier comprising subcode data ~~is stored in subcode frames of a subcode channel,~~

each subcode frame ~~comprising is prerecorded to include~~ synchronization symbols and data symbols at predetermined positions within said subcode frame, ~~and subcode frames of original record carriers are prerecorded to include~~ at least one subcode frame comprising a number of additional synchronization symbols assigned and stored ~~to by an encoder~~ at positions provided for data symbols,

wherein during read-out of a ~~the~~ record carrier of said subcode channel, a check signal can be generated in response to detection of said additional synchronization symbols, absence of the additional synchronization symbols indicating that the ~~computer readable medium record carrier~~ is a copy and presence of the additional synchronization symbols indicating ~~that the computer readable medium is an original~~ record carrier.

23. (Currently amended) A ~~computer program program of instructions~~ embodied on a computer readable medium for ~~implementing a method of instructions for when said computer program~~ of instructions is executed on a computer causing said ~~computer a replay device~~ to detect a ~~copy amongst at least one copied~~ record carrier having a table of contents, the method comprising acts of

mastering a ~~non-standard table of contents on an original record carrier~~ to include entries in a non-standard sequence, a standard table of contents having entries in a standard sequence indicating that the corresponding at least one record carrier is a copy.